

CLAIMS

1 - Bag provided with a deformable flexible wall, designed to contain a product of liquid to pasty consistency, which is intended to be dispensed by a manual jet metering pump of the type without air renewal, to be placed over an area of opening of said bag and to be arranged, in cooperation with the latter, to ensure that the product it contains is kept permanently air-sealed or appreciably air-sealed, said bag equipped with its pump, furthermore to be able to be introduced and protected in an outer casing to form a packaging and dispensing unit for said product, characterized in that said bag (1) presents, in proximity to its opening, at least one area rendered rigid by a thickening of its wall, and containing additional means of attachment that can be borne by said pump or by an element associated with same in the unit once it is assembled, and/or by the said outer casing when it is present, or by one or more parts of said casing.

2 – Bag according to Claim 1, characterized in that it is formed by extrusion-blow or injection-blow molding of a parison having a variable wall thickness depending on the profile sought for said bag.

3 – Bag according to Claims 1 and 2, characterized in that it contains means of attachment of the pump or of an element associated with same by crimping, ratcheting, screwing, gluing or ultrasonic welding, and means of attachment of the casing or of one or more parts of same by ratcheting, screwing, gluing or ultrasonic welding.

4 – Bag according to one of Claims 1 to 3, characterized in that it is formed by a body (2) containing a side wall (2a) closed at one end by a bottom (2b) and connected at its opposite end by means of a shoulder (3) to a neck (4), the thickness of the wall of said bag (1) being increased in the region of said neck (4), of said shoulder (3) and of a part of said side wall (2a) adjacent to said shoulder (3).

5 – Bag according to Claim 4, characterized in that its neck (4) has a continuous outer peripheral flange (10), under which at least one element holding in place the metering pump dispensing the product is intended to be coupled, notably by crimping or by ratcheting.

6 – Bag according to one of Claims 4 and 5, characterized in that the rigid part of the side wall (2a) of the bag (1) contains on the outside at least one ratchet ring (6) designed to cooperate with an inner groove (13) borne by the side wall (12a) of a cover (12) in which the bag (1) is intended to be inserted by its bottom or by its top and forming part of the outer protective casing of the bag.

7 – Bag according to Claim 6, characterized in that it is arranged to form, with the free edge of the cover (12) in mounting position, an annular groove (9) for ratcheting of the lower part of a protective cap forming part of the outer casing.

8 – Bag according to one of Claims 4 to 7, characterized in that its side wall (2a) contains a fold (5) which is placed along a transverse plane of the bag and the profile of which is notably V-shaped, said fold (5) being arranged so as to separate the rigid part and the flexible part of said bag (1).

9 – Bag according to one of Claims 1 to 8, characterized in that it is made of a single-layer or multilayer material.

10 - Packaging and dispensing unit for a product of liquid to pasty consistency, contained in a bag provided with a deformable flexible wall protected by an outer casing, a manual jet metering pump for said product, of the type without air renewal, being placed over an area of opening of said bag and being arranged, in cooperation with the latter, to ensure that the product it contains is kept air-sealed or appreciably air-sealed, characterized in that said bag (1) is as defined in one of Claims 1 to 9.

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11 - Packaging and dispensing unit for a product of liquid to pasty consistency, obtained by mixing of at least two components contained in separate bags provided with a deformable flexible wall protected by an outer casing, a manual jet metering pump for said product, of the type without air renewal, being placed over an area of opening of each of the bags and being arranged, in cooperation with the latter, to ensure that the product they contain is kept air-sealed or appreciably air-sealed, characterized in that each of said bags (1) is as defined in Claim 1.